

# Pinnacle Series

## PRIMED DIRECT SET

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Factory assembled wood direct set windows, glass and glazing, and [grilles].
- B. Anchorages, attachments, and accessories.

#### 1.02 RELATED SECTIONS

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealants and Caulking.
- F. Section 08800 - Glass and Glazing.

#### 1.03 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. AAMA / NWWDA 101-I.S.2 - 97 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### 1.04 PERFORMANCE CRITERIA

- A. Direct Set units shall meet requirements in accordance with AAMA / NWWDA 101-I.S.2-97.
- B. Air leakage shall not exceed 0.30 cfm per sq.ft. of sash when tested in accordance with ASTM E-283 at 1.57 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Window units shall withstand positive and negative wind loads without damage. The units shall be tested in accordance with ASTM E-330.

#### 1.05 SUBMITTALS

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction, and finish shall be submitted in accordance with Section 01340.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. In compliance with Section 01610, window units shall be delivered undamaged and with protective packaging. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

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### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Direct Set window units as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Jambs shall be select softwoods treated with water repellent preservative in accordance with NWWDA I.S.-4. Frame corners are mitered and sealed with closed cell foam gaskets. Standard set up jamb width shall be 4-9/16" (4-1/8" basic jamb with 7/16" extender). Other jamb extensions are available to match finished wall thickness. Factory set up units will also include low-maintenance PVC subsill, brickmould, and outside mull covers.
- B. Finish: Shall be one coat Latex primer applied to exterior surfaces only of sash and frame.
- C. Glazing: Shall be 3/4" double pane LoE 366 insulating glass as standard, glazed with double-faced tape, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including clear, tinted, tempered, and obscure. Cardinal's Preserve™ option is available on all LoE 366 glass. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
- D. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges, fastened to sash with press pins. Perimeter grilles are available in 7/8" or 1 1/4" widths. White, cinnamon, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in either 13/16" flat, 3/4" profiled or 1" profiled. Two-toned inner grilles (**3/4" profile only**) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and exterior bars to the surfaces of the insulated glass; when ordered Interior Primed, the interior WDL bars will be cellular PVC. WDL is available in 7/8" and 1 1/4" Standard, 5/8" Putty, and 7/8" Putty exterior with Standard interior. All are available with or without innerbar between the glass. Exterior bars are cellular PVC.

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### PART 3 – EXECUTION

#### 3.01 EXAMINATION

- A. Verify that there is no visible damage to the unit before installation.

#### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
- B. Install the window unit in accordance with the manufacturer's recommendations.
- C. Install sealant, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

#### 3.03 ADJUSTMENT AND CLEANING

- A. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.
- B. Remove all visible labels and instructions.
- C. Final cleaning of glass in accordance of Section 01